INTERNATIONAL SEARCH REPORT

Internal Application No PCT/IB2004/002112

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G11B7/00 G11B7/09

G11B7/135

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 722 079 A (MATSUMOTO KEIICHI) 26 January 1988 (1988-01-26) the whole document	1,2
A	US 4 571 716 A (SZERLIP STANLEY R) 18 February 1986 (1986-02-18) the whole document	1,2
A .	US 5 267 226 A (MATSUOKA KAZUHIKO ET AL) 30 November 1993 (1993-11-30) the whole document	1,2
A	EP 0 427 478 A (SONY CORP) 15 May 1991 (1991-05-15) the whole document	1,2

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A' document defining the general state of the art which is not considered to be of particular relevance E' earlier document but published on or after the International filing date L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other means p' document published prior to the International filing date but later than the priority date claimed	 "T" later document published after the international filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 22 October 2004	Date of mailing of the international search report 03/11/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Kyranos, E

INTERNATIONAL SEARCH REPORT

Internation No
PCT/IB2004/002112

		PCT/1B2004/002112			
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim					
Jalogory	Challott of document, with indication, where appropriate, or the relevant passages	TIELD VAIN TO CHAINTY	<u> </u>		
A	EP 0 428 208 A (LASER MAGNETIC STORAGE INT) 22 May 1991 (1991–05–22) the whole document	1,2			
4	PATENT ABSTRACTS OF JAPAN vol. 0041, no. 68 (P-037), 20 November 1980 (1980-11-20) & JP 55 113137 A (FUJITSU LTD), 1 September 1980 (1980-09-01) the whole document	1,2			
4	US 5 953 292 A (ARAKI YOSHITSUGU ET AL) 14 September 1999 (1999-09-14) the whole document	1,2			
		·			
			·		
	-				

INTERNATIONAL SEARCH REPORT

ormation on patent family members

Intermenal Application No PCT/IB2004/002112

			101/152001/002112		
Patent document cited in search report	Publication date		Patent family member(s)	Publication date	
US 4722079	A 26-01-1988	JP	1805869 C	26-11-1993	
	. 20 01 1200	JP	5017610 B	09-03-1993	
		JP	61039940 A	26-02-1986	
US 4571716	A 18-02-1986	US	4980878 A	25-12-1990	
US 5267226	A 30-11-1993		1149236 A	12-06-1989	
		JP	2107670 C	06-11-1996	
		JP	8027967 B	21-03-1996	
EP 0427478	A 15-05-1991	JP	2757500 B2	25-05-1998	
	10 00 1551	JP	3150727 A	27-06-1991	
		DE	69019467 D1	22-06-1995	
		DE	69019467 T2		
		ĒΡ	0427478 A2		
		KR	177925 B1	15-04-1999	
		US	5239529 A	24-08-1993	
EP 0428208	A 22-05-1991	US	5142515 A	25-08-1992	
		DE	69025267 D1	21-03-1996	
		DĒ	69025267 T2	22-08-1996	
		ΕP	0428208 A2		
		ES	2103721 T3		
		JP	3192574 A	22-08-1991	
		ĴР	3236286 B2		
		KR	196233 B1		
JP 55113137	A 01-09-1980	NONE		~	
US 5953292	A 14-09-1999	JP	3547589 B2	28-07-2004	
		JP	11025476 A	29-01-1999	